



MODEL: BR

OPERATING INSTRUCTION AND PARTS MANUAL

■ BR-442537

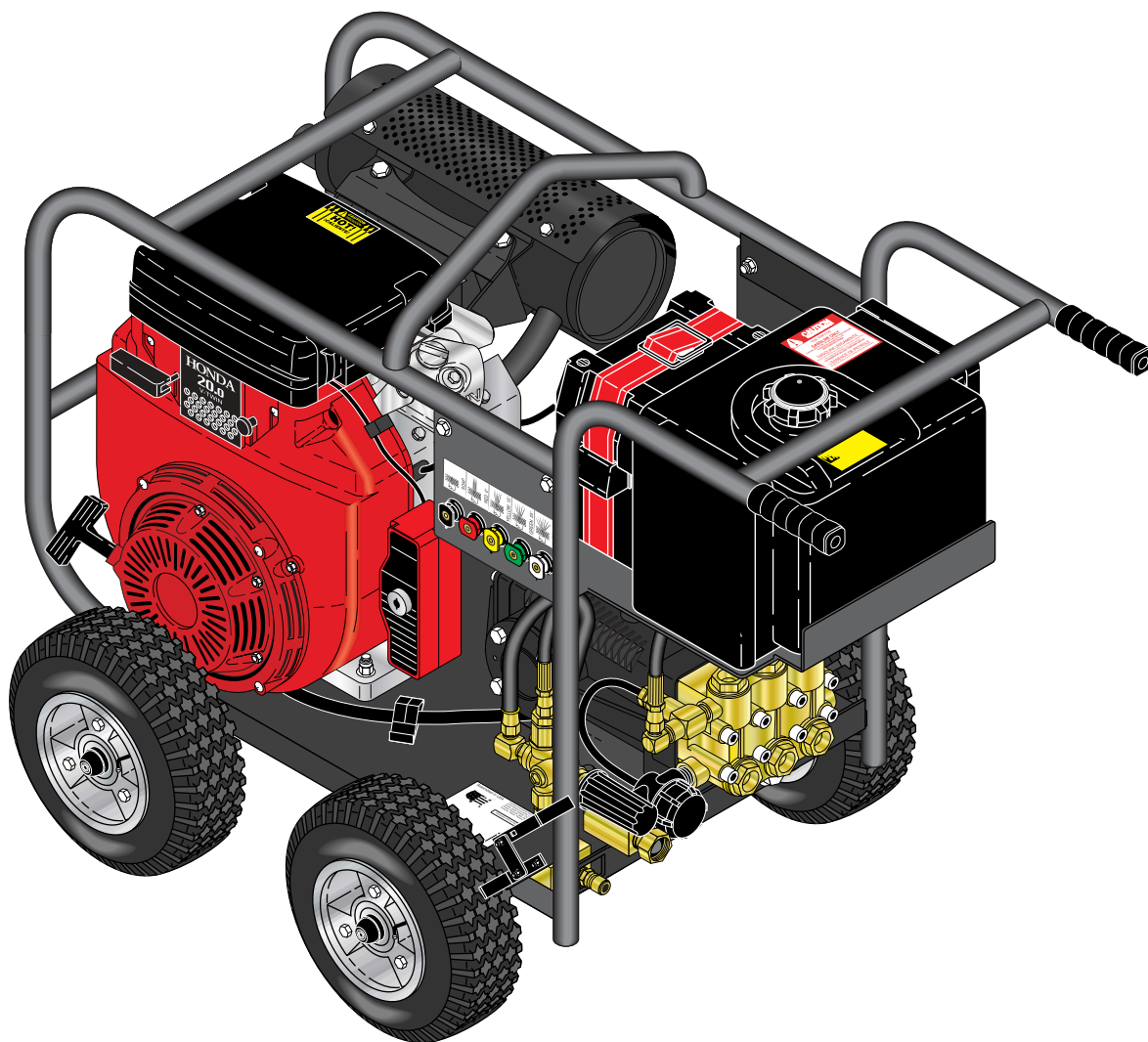
■ BR-353237

■ BR-353537

■ BR-404027

■ BR-455037E

■ BR-343087E



For technical assistance or the SHARK dealer nearest you, call 1-800-771-1881
or visit our website at www.shark-pw.com

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Model Number _____

Serial Number _____

Date of Purchase _____

The model and serial numbers will be found on a decal attached to the pressure washer. You should record both serial number and date of purchase and keep in a safe place for future reference.

INTRODUCTION

Thank you for purchasing a this pressure washer.
All information in this manual is based on the latest product information available at the time of printing.
Manufacturer reserves the right to make changes at any time without incurring any obligation.

This machine was designed for maximum use of 8 hours per day, 5 days per week.

Owner/User Responsibility:

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this pressure washer. Warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

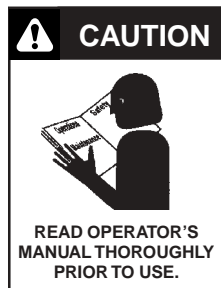
Owner and/or user must study and maintain for future reference the manufacturers' instructions.

The operator must know how to stop the machine quickly and understand the operation of all controls. Never permit anyone to operate the engine without proper instructions.

This manual should be considered a permanent part of the machine and should remain with it if machine is resold.

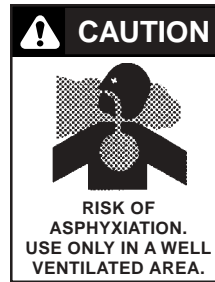
When ordering parts, please specify model and serial number.

IMPORTANT SAFETY INFORMATION



CAUTION: To reduce the risk of injury, read operating instructions carefully before using.

1. Read the owner's manual thoroughly. Failure to follow instructions could cause malfunction of machine and result in death, serious bodily injury and/or property damage.
2. All installations must comply with local codes. Contact your electrician, plumber, utility company or the selling distributor for specific details.
3. This machine has been provided with Warning and Instruction decals for the safety of the operator. If these decals are removed or become damaged they should be replaced. Contact your dealer for replacement decals.



CAUTION: Risk of asphyxiation — Use this product only in a well ventilated area.

4. Avoid installing machines in small areas or near exhaust fans. Exhaust contains poisonous carbon monoxide gas; exposure may cause loss of consciousness and may lead to

death. It also contains chemicals known, in certain quantities, to cause cancer, birth defects or other reproductive harm.



WARNING: Flammable liquids can create fumes which can ignite causing property damage or severe injury.

WARNING: Risk of fire — Do not add fuel when the product is operating.

WARNING: Risk of explosion — Do not spray flammable liquids.

5. Do not place machine near flammable objects as the engine is hot.
 6. Allow engine to cool for 2 minutes before refueling. If any fuel is spilled, make sure the area is dry before testing the spark plug or starting the engine. (Fire and/or explosion may occur if this is not done.)
- When refueling gasoline engines on mobile or portable equipment, make sure to refuel:
- a. outdoors;
 - b. with the engine on the equipment stopped;
 - c. with no source of ignition within 10 feet of the dispensing point; and
 - d. with an allowance made for expansion of the fuel should the equipment be exposed to a higher ambient temperature.

In an overfilling or spillage situation, additional precautions are necessary to ensure that the situation is handled in a safe manner.



WARNING: High pressure stream of water that this equipment can produce can pierce skin and its underlying tissues, leading to serious injury and possible amputation.



WARNING: *High pressure spray can cause paint chips or other particles to become airborne and fly at high speeds. To avoid personal injury, eye safety devices must be worn.*

7. Protective clothing and foot protection must be worn when using this equipment.
8. High pressure developed by these machines will cause personal injury or equipment damage. Use caution when operating. Do not direct discharge stream at people, or severe injury or death will result.
9. Never make adjustments on machine while in operation.
10. Do not block or tie spray gun in open position.
11. Do not place hands or feet on non-insulated areas of the pressure washer when starting gasoline engine.
12. When applying detergents, follow the safety rules on the detergent label.
13. Use detergent from a covered D.O.T. approved container.

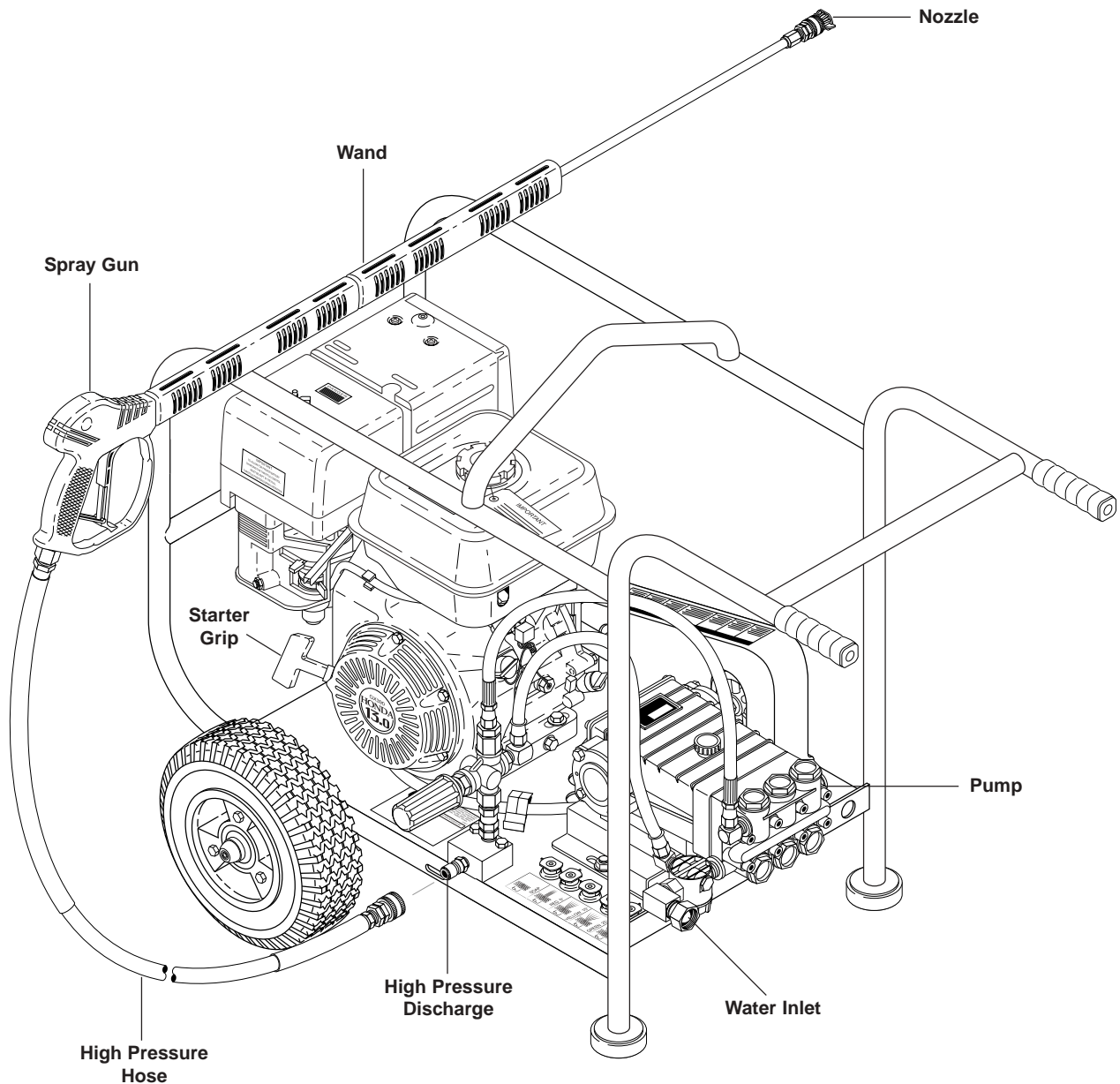
14. Cleaning area should be provided with adequate slopes and drainage. This will reduce the possibility of a fall due to slippery surface.
15. The best insurance against an accident is precaution and knowledge of the machine.
16. Manufacturer will not be liable for any changes made to our standard machines, or any components not purchased from the manufacturer.
17. Read engine safety instructions provided.



WARNING: *Keep water spray away from electrical wiring or fatal electric shock may result.*

18. Never run pump dry or leave spray gun closed longer than 5 minutes.
 19. Do not allow children to operate the pressure washer at any time.
 20. Do not allow machine to run unattended.
 21. Inlet water supply must be cold and clean fresh water.
- CAUTION:** *Spray gun kicks back – Hold with both hands.*
- CAUTION:** *Risk of injury – Disconnect battery ground terminal before servicing.*

COMPONENT IDENTIFICATION — SMALL MODELS



Pump — Develops high pressure.

Starter Grip — Used for starting the engine manually.

Spray Gun — Controls the application of water and detergent onto cleaning surface with trigger device. Includes safety latch.

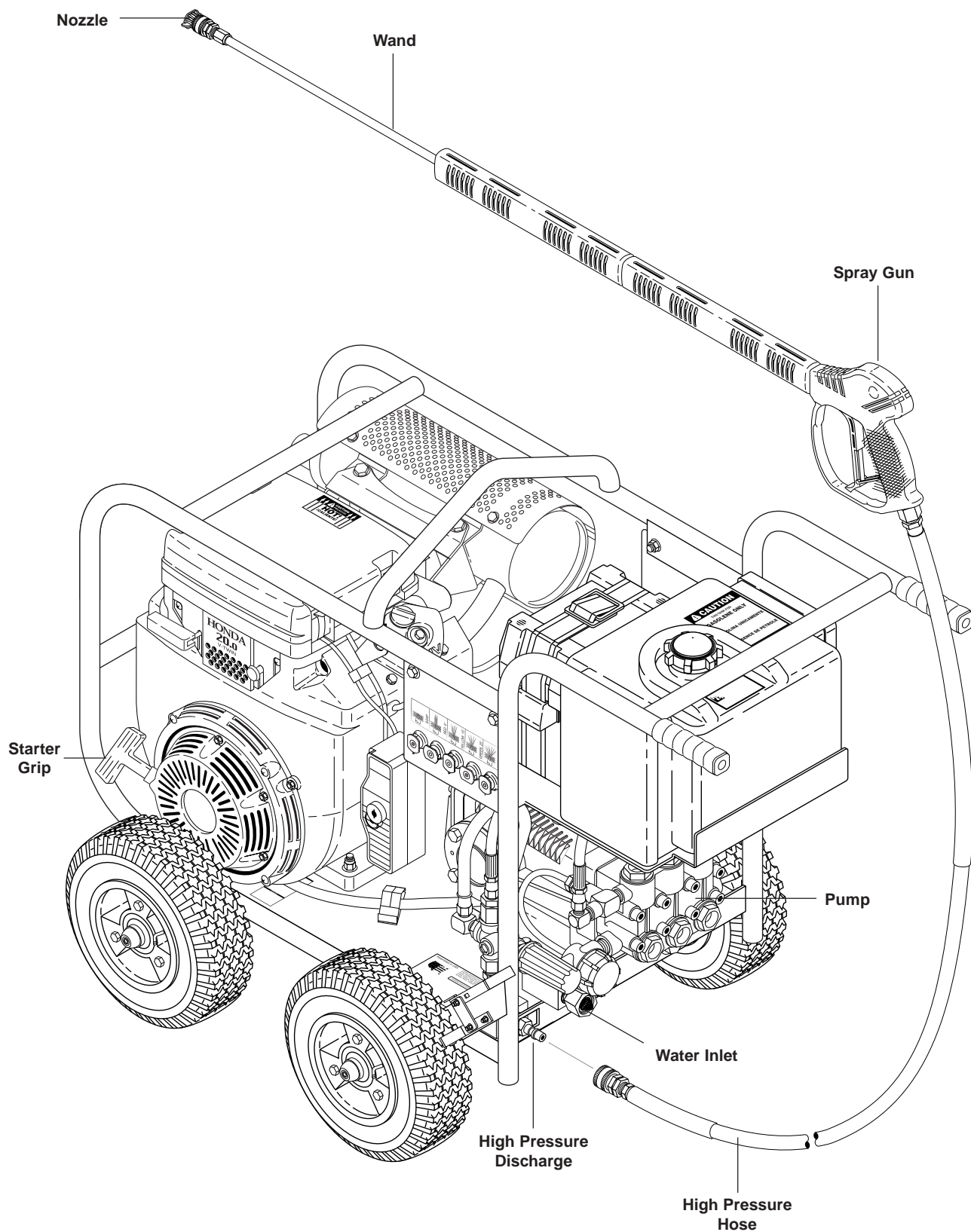
Detergent Injector — Allows you to siphon and mix detergents (not shown).

Wand — Must be connected to the spray gun.

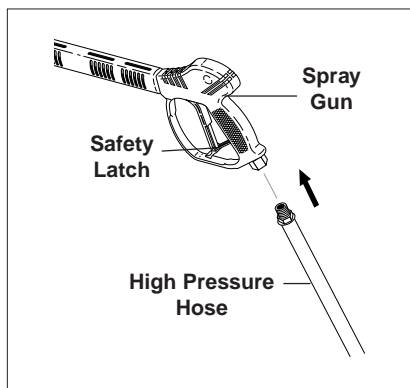
High Pressure Hose — Connect one end to water pump discharge nipple and the other end to spray gun.

Note: If trigger on spray gun is released for more than 2 minutes, water will leak from valve. Warm water will discharge from pump protector onto floor. This system prevents internal pump damage.

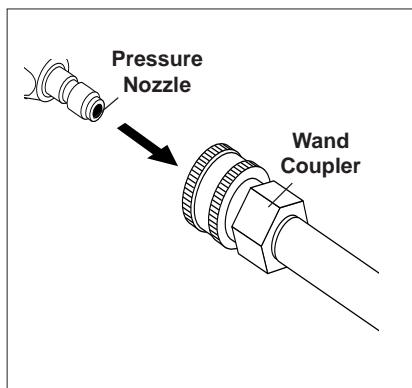
COMPONENT IDENTIFICATION — LARGE MODELS



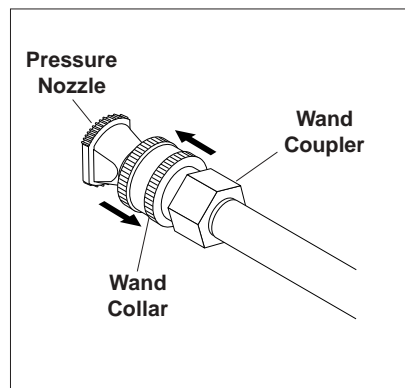
ASSEMBLY INSTRUCTIONS



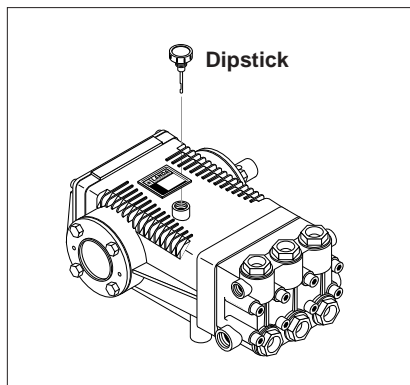
STEP 1: Attach the high pressure hose to the spray gun using teflon tape on hose threads.



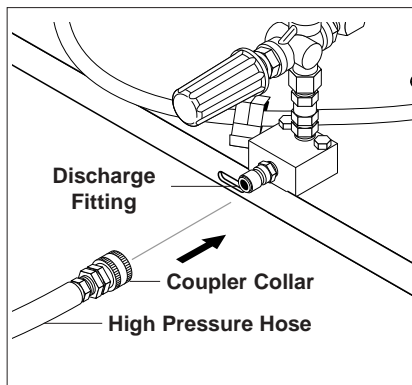
STEP 2: Pull the spring-loaded collar of the wand coupler back to insert your choice of pressure nozzle.



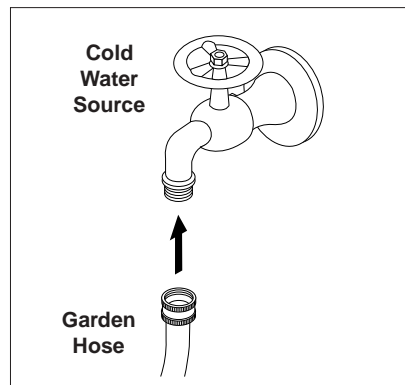
STEP 3: Release the coupler collar and push the nozzle until the collar clicks. Pull the nozzle to make sure it is seated properly.



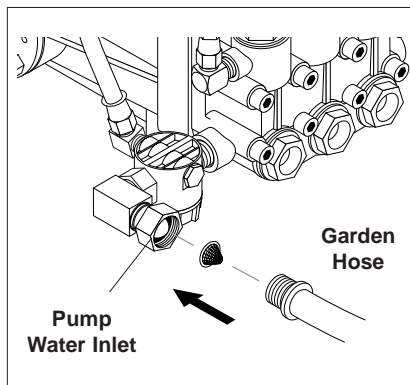
STEP 4: Remove shipping cap and install oil dipstick. Check pump oil level by using dipstick or observe oil level in oil window (if equipped). Use 30 wt. non detergent oil.



STEP 5: Connect the high pressure hose to the pump discharge fitting. Push coupler collar forward until secure.

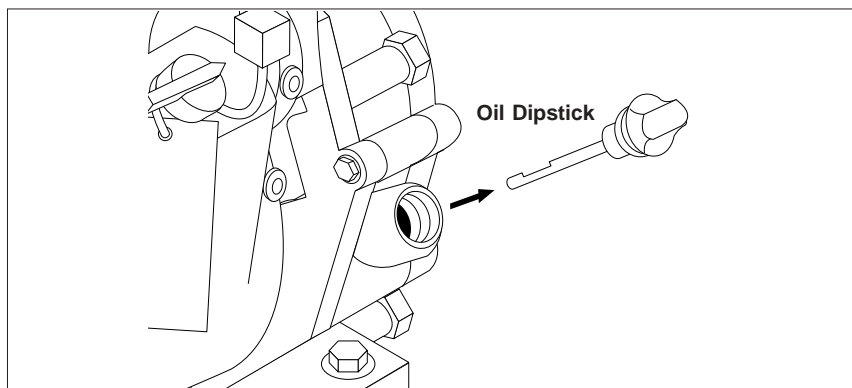


STEP 6: Connect garden hose to the cold water source.

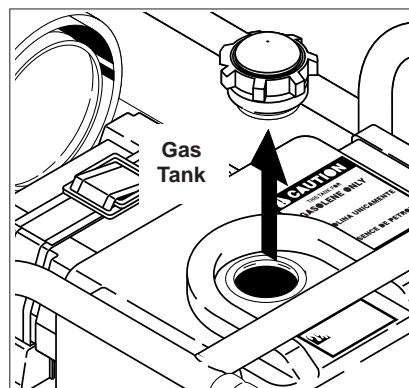


STEP 7: Check inlet filters, remove debris, then connect garden hose to pump water inlet. **CAUTION: Do not run the pump without water or pump damage will result.**

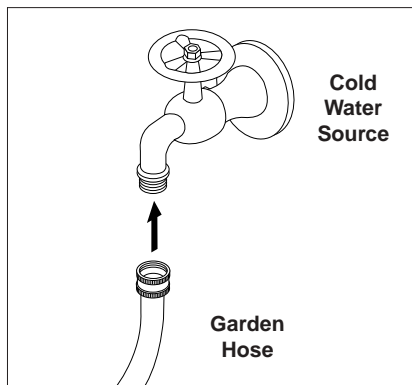
OPERATING INSTRUCTIONS



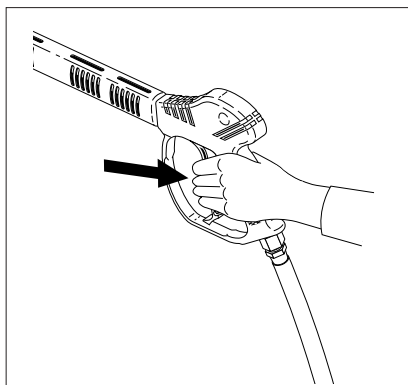
STEP 1: Check engine oil level. Oil level should be level with the bottom of the oil filler neck. Be sure the machine is level when checking the oil level. (Refer to the engine's operating manual included with machine.) We recommend that the oil be changed after the first 5 hours of use, then once every 50 hours. **Note:** Improper oil levels will cause low oil sensor to shut off engine. **IMPORTANT! Do not run engine with high or low oil levels as this will cause engine damage.**



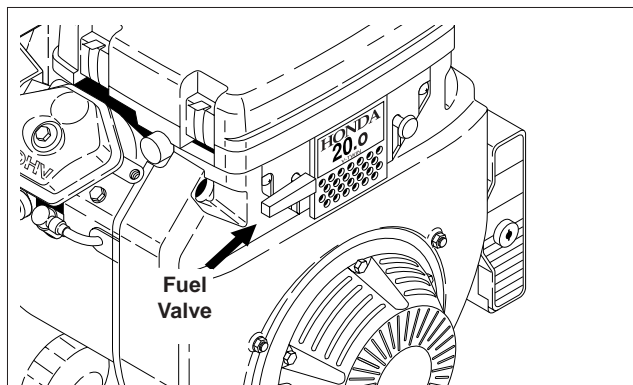
STEP 2: Fill gas tank with unleaded gasoline. Do not use leaded gasoline.



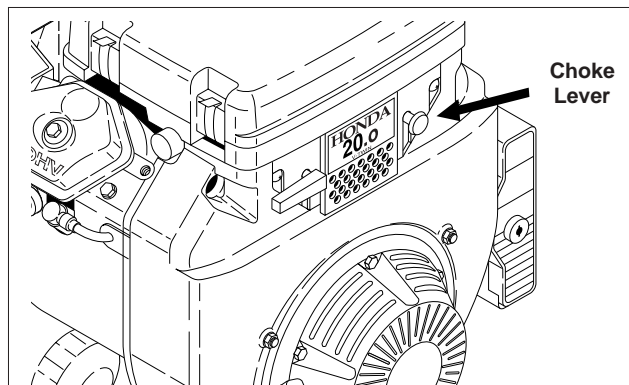
STEP 3: Connect garden hose to the cold water source and turn water on completely. Never use hot water.



STEP 4: Trigger the spray gun to eliminate trapped air then wait for a steady flow of water to emerge from the spray nozzle.

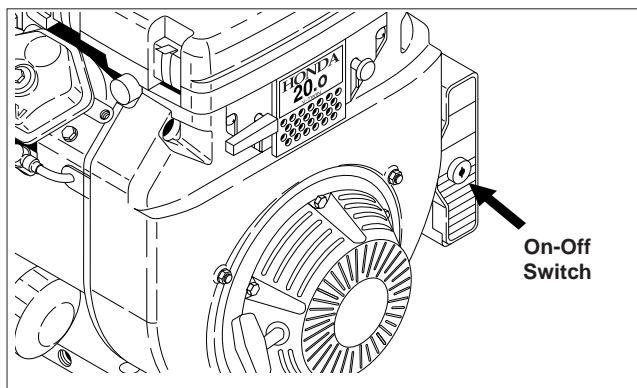


STEP 5: Rotate the fuel shut-off valve to the "On" position. Slide the fuel valve lever to the "ON" position. When the engine is not in use, leave the fuel valve in the "OFF" position.

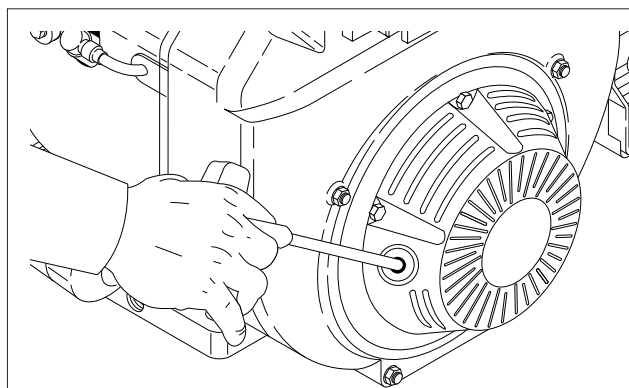


STEP 6: Pull the choke lever out to the "Choke" position (on a warm engine, leave the choke lever in, in the run position). Push the choke lever to the "Closed" position. To restart a warm engine, leave the choke lever in the "Open" position.

OPERATING INSTRUCTIONS (CON'T)



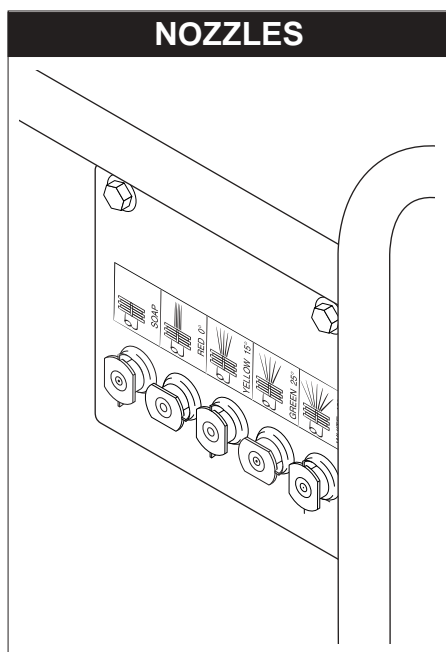
STEP 7: Turn the engine switch to "ON" position.



STEP 8: Pull the starter grip. If the engine fails to start after 2 pulls, squeeze the trigger gun to release pressure and repeat step. Return starter gently. After the engine warms up enough to run smoothly, move choke to run position and throttle to fast position.

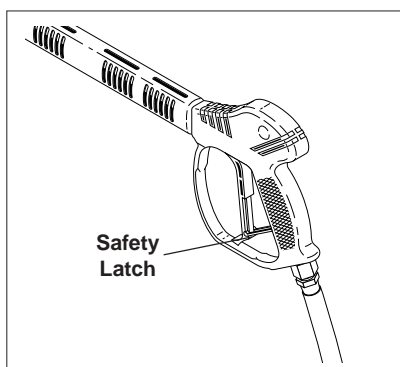
CAUTION: Small engines may kick back. Do not hold pull starter tightly in hand.

NOZZLES



The five color-coded quick connect nozzles provide a wide array of spray widths from 0° to 45° and are easily accessible when placed in the convenient rubber nozzle holder, which is provided on the front of the machine.

NOTE: For a more gentle rinse, select the white 40° or green 25° nozzle. To scour the surface, select the yellow 15° or red 0° nozzle. To apply detergent select the black nozzle.



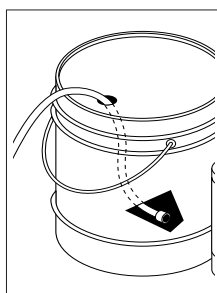
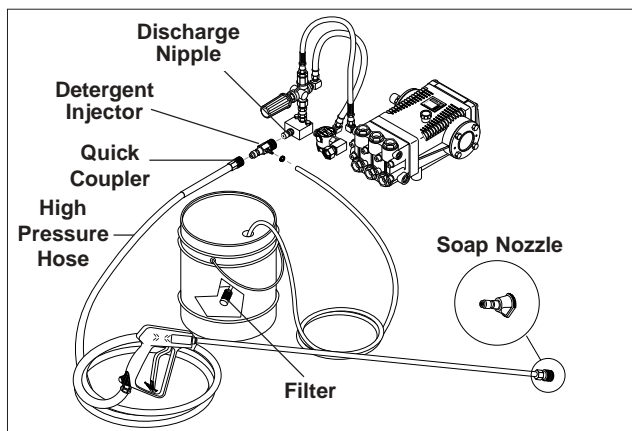
WARNING! Never replace nozzles without engaging the safety latch on the spray gun trigger.

APPLYING DETERGENT AND GENERAL CLEANING TECHNIQUES



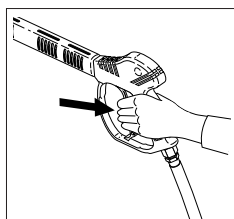
WARNING: Some detergents may be harmful if inhaled or ingested, causing severe nausea, fainting or poisoning. The harmful elements may cause property damage or severe injury.

STEP 1: Connect detergent injector to discharge nipple on machine. Connect high pressure hose to injector with quick coupler. (Check to make sure locking coupler sleeves are in proper position before applying water pressure).



STEP 2: Use detergent designed specifically for pressure washers. Household detergents could damage the pump. Prepare detergent solution as required by the manufacturer. Fill a container with pressure washer detergent. Place the filter end of detergent suction tube into the detergent container.

STEP 3: With safety latch on spray gun engaged, secure black detergent nozzle into quick coupler.
NOTE: Detergent cannot be applied using red, yellow, green or white nozzles.



STEP 4: With the engine running, pull trigger to operate machine. Liquid detergent is drawn into the machine and mixed with water. Apply detergent to work area. Do not allow detergent to dry on surface.

IMPORTANT: You must flush the detergent injection system after each use by placing the suction tube into a bucket of clean water, then run the pressure washer in low pressure for 1-2 minutes.

THERMAL PUMP PROTECTION

If you run the engine on your pressure washer for 3-5 minutes without pressing the trigger on the spray gun, circulating water in the pump can reach high temperatures. When the water reaches this temperature, the pump protector engages and cools the pump by discharging the warm water onto the ground. This thermal device prevents internal damage to the pump.

CLEANING TIPS

Pre-rinse cleaning surface with fresh water. Place detergent suction tube directly into cleaning solution and apply to surface at low pressure (for best results, limit your work area to sections approximately 6 feet square and always apply detergent from bottom to top). Allow detergent to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. If surface appears to be drying, simply wet down surface with fresh water. If needed, use brush to remove stubborn dirt. Rinse at high pressure from top to bottom in an even sweeping motion keeping the spray nozzle approximately 1 foot from cleaning surface. Use overlapping strokes as you clean and rinse any surface. For best surface cleaning action spray at a slight angle.

Recommendations:

- Before cleaning any surface, an inconspicuous area should be cleaned to test spray pattern and distance for maximum cleaning results.
- If painted surfaces are peeling or chipping, use extreme caution as pressure washer may remove the loose paint from the surface.
- Keep the spray nozzle a safe distance from the surface you plan to clean. High pressure wash a small area, then check the surface for damage. If no damage is found, continue to pressure washing.

! CAUTION - Never use:

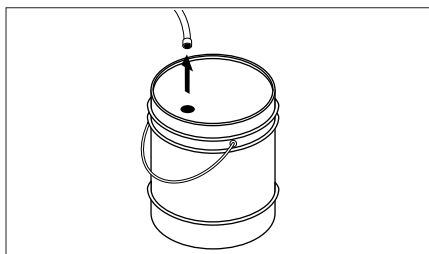
- Bleach, chlorine products and other corrosive chemicals
- Liquids containing solvents (i.e., paint thinners, gasoline, oils)
- Tri-sodium phosphate products
- Ammonia products
- Acid-based products

These chemicals will harm the machine and will damage the surface being cleaned.

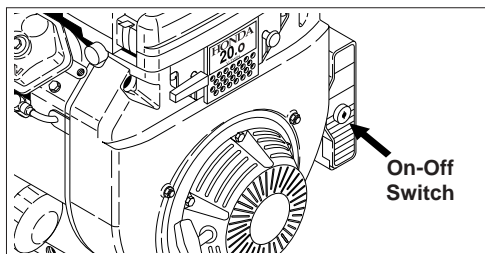
RINSING

It will take a few seconds for the detergent to clear. Apply safety latch to spray gun. Remove black soap nozzle from the quick coupler. Select and install the desired high pressure nozzle. **NOTE:** You can also stop detergent from flowing by simply removing detergent siphon tube from bottle.

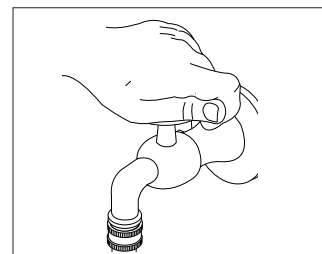
SHUTTING DOWN AND CLEAN-UP



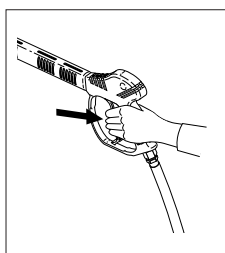
STEP 1: Remove detergent suction tube from container and insert into one gallon of fresh water. Slide nozzle forward for low pressure or to connect black detergent nozzle. Pull trigger on spray gun and siphon water for one minute.



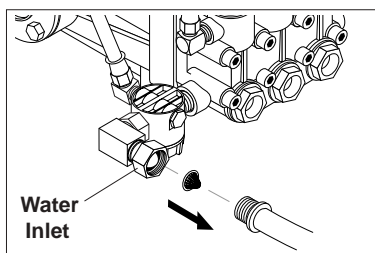
STEP 2: Turn engine switch to "OFF" position.



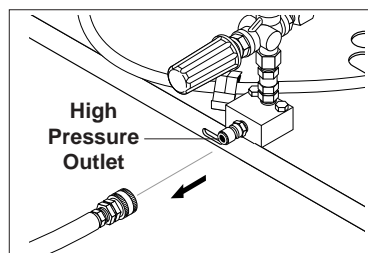
STEP 3: Turn off water supply.



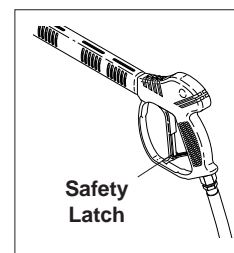
STEP 4: Press trigger to release water pressure.



STEP 5: Disconnect the garden hose from the water inlet on the machine.



STEP 6: Disconnect the high pressure hose from high pressure outlet.



STEP 7: Engage the spray gun safety lock.

STORAGE

CAUTION: Always store your pressure washer in a location where the temperature will not fall below 32°F (0°C). The pump in this machine is susceptible to permanent damage if frozen. **FREEZE DAMAGE IS NOT COVERED BY WARRANTY.**

1. Stop the pressure washer, squeeze spray gun trigger to release pressure.
2. Detach water supply hose and high pressure hose.
3. Turn on the machine for a few seconds, until remaining water exits. Turn engine off immediately.
4. Drain the gas and oil from the engine.
5. Do not allow high pressure hose to become kinked.
6. Store the machine and accessories in a room which does not reach freezing temperatures.

CAUTION: Failure to follow the above directions will result in damage to your pressure washer.

When the pressure washer is not being operated or is being stored for more than one month, follow these instructions:

1. Replenish engine oil to upper level.
2. Drain gasoline from fuel tank, fuel line, fuel valve and carburetor.
3. Pour about one teaspoon of engine oil through the spark plug hole, pull the starter grip several times and replace the plug. Then pull the starter grip slowly

until you feel increased pressure which indicates the piston is on its compression stroke and leave it in that position. This closes both the intake and exhaust valves to prevent rusting of cylinder.

4. Cover the pressure washer and store in a clean, dry place that is well ventilated away from open flame or sparks. **NOTE:** The use of a fuel additive, such as STA-BIL®, or an equivalent, will minimize the formulation of fuel deposits during shortage. Such additives may be added to the gasoline in the fuel tank of the engine, or to the gasoline in a storage container.

After Extended Storage



CAUTION: Prior to restarting, thaw out any possible ice from pressure washer hoses, spray gun or wand.

Engine Maintenance

During the winter months, rare atmospheric conditions may develop which will cause an icing condition in the carburetor. If this develops, the engine may run rough, lose power and may stall. This temporary condition can be overcome by deflecting some of the hot air from the engine over the carburetor area. **NOTE:** Refer to the engine manufacturer's manual for service and maintenance of the engine.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
LOW OPERATING PRESSURE	Insufficient water supply. Closed faucet. Inlet hose kinked	Use larger garden hose; clean inlet water screen. Open faucet.
	Clogged inlet hose strainer	Check plumbing system for leaks. Retape leaks with teflon tape.
	Faulty or misadjusted unloader valve	Adjust unloader for proper pressure. Install repair kit when needed. Call technical support.
	Worn packing in pump	Call technical support.
	Machine has been stored in freezing temperatures	Thaw out machine completely, including hose, spray gun and wand.
	Slow engine RPM	Call technical support.
FLUCTUATING PRESSURE	Worn or dirty pump valves	Call technical support.
	Nozzle is obstructed	Use nozzle wire in accessory kit.
	Pump sucking air, inlet hose leaking	Check all pump lines and connections.
PRESSURE LOW AFTER PERIOD OF NORMAL USE	Nozzle worn	Replace nozzle.
	Unloader valve worn	Replace unloader valve.
ENGINE WILL NOT START OR STOPS WHILE OPERATING	Low oil shutdown	Fill engine with oil.
	Out of gas	Fill fuel tank.
	Water in gasoline	Drain gas tank; fill with clean fuel.
ENGINE IS OVERLOADED	Nozzle partially blocked	Clean nozzle.
	Excessive pressure from high engine RPM	Adjust engine throttle to lower RPM.
WATER OR OIL LEAKING FROM BOTTOM OF PUMP	A small amount of leaking is normal	If excessive leaking occurs, call technical support.
PRESENCE OF WATER IN PUMP OIL	Water sprayed at machine	Change oil. Direct spray away from machine.
	High humidity in air	Check and change oil twice as often.
	Piston packing worn. Oil seal worn.	Call technical support.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
ENGINE OPERATES FOR 15 MIN. THEN STOPS	Not enough gas or engine oil	Fill tank with gas. Check oil level.
	Vapor lock developed by heat of day	Keep gas tank full to avoid vapor locking.
	Obstruction in fuel filter	Clean or replace fuel filter.
ENGINE LACKS POWER	Dirty air filter	Replace air filter.
ENGINE FALTERS	Choke is opened too soon	Move choke to halfway position until engine runs smoothly.
WATER DRIPPING FROM UNDER PUMP	Piston packing worn	Call technical support.
	O-Ring plunger retainer worn	Call technical support.
	Cracked piston	Call technical support.
OIL DRIPPING	Oil seal worn or damaged	Call technical support.
WATER LEAKING FROM PUMP PROTECTOR	Spray gun closed with machine running 5 minutes or longer	Open spray gun or turn off machine.
	Excess water supply pressure	Place a pressure regulator at end of 50' garden hose.
NO DETERGENT	Detergent suction tube not properly connected to machine	Check connection.
	Detergent is too thick	Dilute detergent. For best results, use Rhino detergent.
	Detergent filter valve is at lowest setting	Set detergent filter valve to a higher setting.
	Filter on detergent suction tube is clogged	Run warm water through filter to remove debris.
	Damaged or clogged detergent suction tube	Remove obstruction or replace detergent suction tube.
	A high pressure nozzle is attached.	Replace with black detergent nozzle.
	Discharge nozzle is obstructed	Blow out or remove debris with fine needle.
GARDEN HOSE CONNECTION LEAKS	Loose fittings	Tighten fittings.
	Missing/worn rubber washer	Insert new washer.
SPRAY WAND LEAKS	Spray wand not properly attached	Slide the spray wand into the gun. Turn the wand collar clockwise onto the spray gun threads until tight.
	Broken o-ring	Call customer service and order an o-ring.
PUMP IS NOISY	Pump is sucking air	Check that hoses and fittings are air tight. Turn off machine and purge pump by squeezing trigger gun until a steady flow of water emerges through nozzle.

PREVENTATIVE MAINTENANCE

This pressure washer was produced with the best available materials and quality craftsmanship. However, you as the owner have certain responsibilities for the correct care of the equipment. Attention to regular preventative maintenance procedures will assist in preserving the performance of your equipment. Contact your dealer for maintenance. Regular preventative maintenance will add many hours to the life of your pressure washer. Perform maintenance more often under severe conditions.

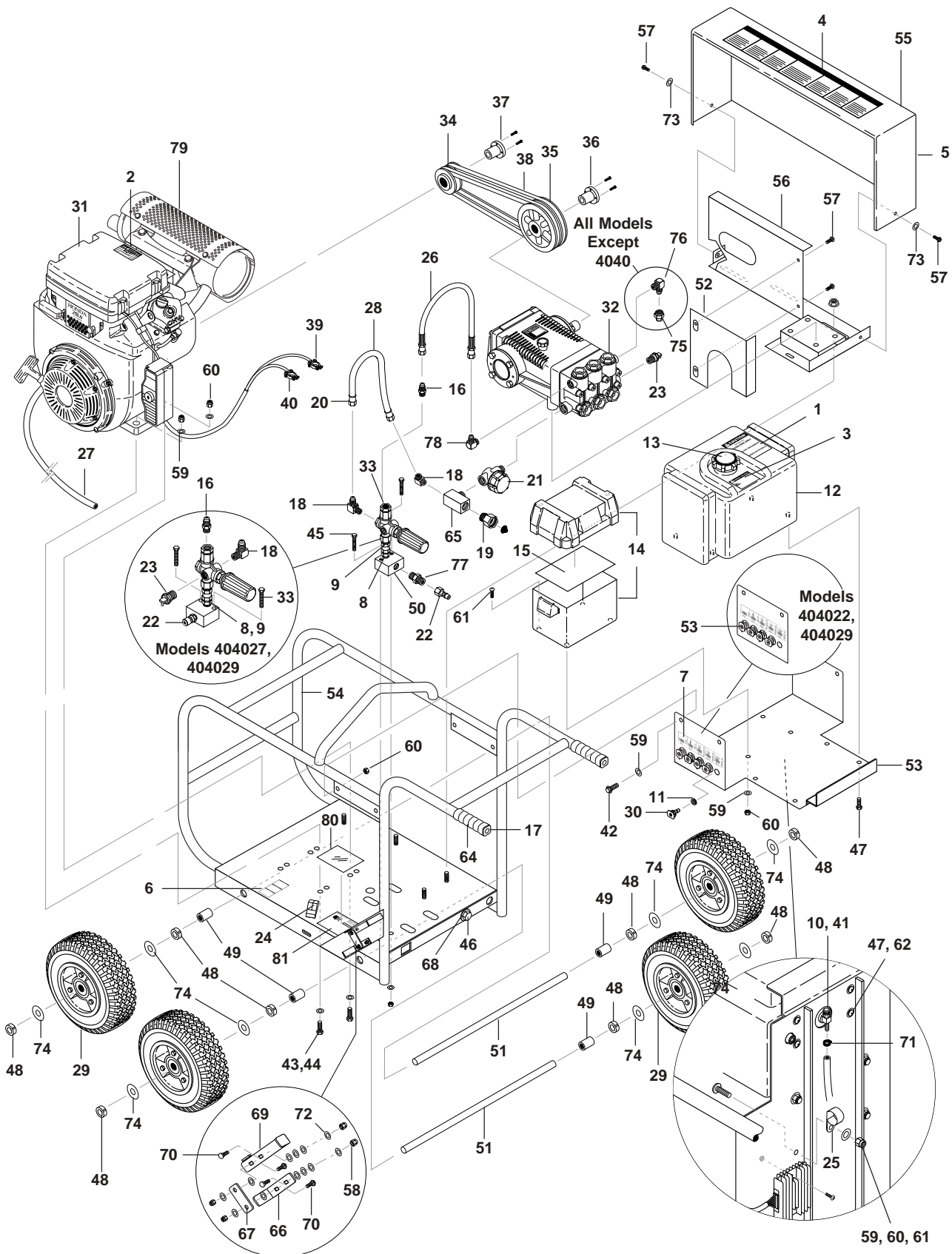
Pump Oil	Inspect	Daily inspect the oil level
	Change	After first 50 hours, then every 500 hours or annually
Replace high pressure nozzle		Every 6 months
Replace quick connects		Annually
Clean water screen/filter		Weekly
Replace HP hose		Annually if there is any sign of wear
Grease motor		Every 10,000 hours

OIL CHANGE RECORD

Check pump oil and engine oil level before first use of your new pressure washer.

Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change	Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

EXPLODED VIEW - LARGE



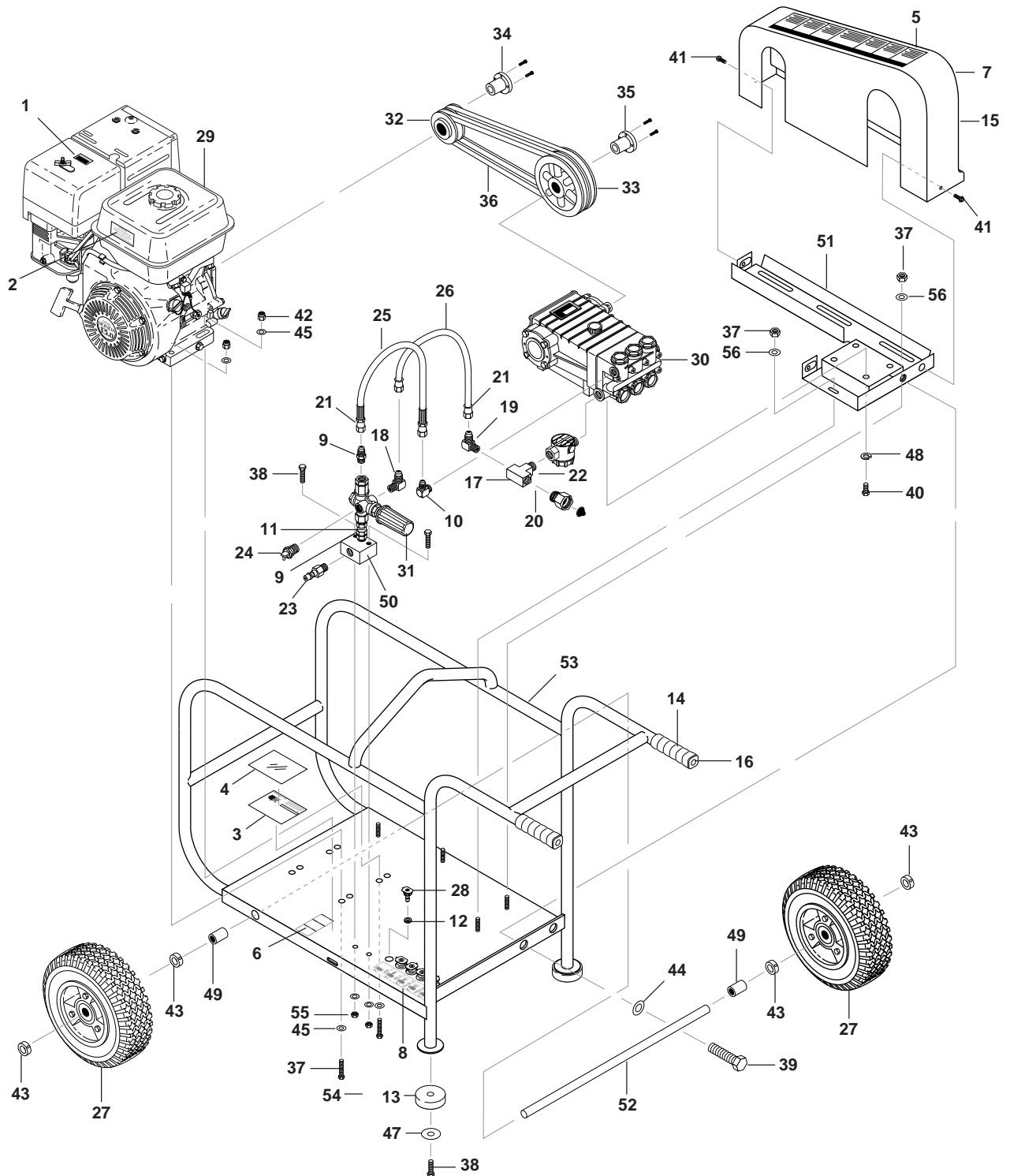
EXPLODED VIEW PARTS LIST- LARGE

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	10-02011	Label, This Tank For Gas Only	1	22	2-20022	Nipple, 3/8" Fem, 11,000 PSI" (405039E, 455039E, 455034E, 405037E, 455037E)	1
2	10-02025A	Label, "Hot/Caliente" w/Arrows	1		2-2007	Nipple, 3/8" x 3/8" NPT ST Male (404027, 404029)	1
3	10-02029	Label, Danger Cool Engine	1	23	2-30082	Pump Protector, 1/2" PTP (405039E, 455039E, 455034E, 405037E, 455037E)	1
	10-08028	Tag, Pump Plug/Dipstick	1		2-300816	Pump Protector, 3/8" (404027, 404029)	1
	10-9999	Label, Clear Lexan, 2-1/4" x 4-1/2"	1	24	2-90151	Clamp, Snap-In Wire (405039E, 455039E, 455034E, 405037E, 455037E)	2
4	11-0101	Label, Warning Pictoral (Lexan)	1	25	2-9016	Clamp, Round, 0.56 I.D. (405039E, 455039E, 455034E, 405037E, 455037E)	1
5	11-013	▲ Label, Logo, Belt Guard (404027, 455037E)	1	26	4-02047914	Hose, 3/8" x 14", 2 Wire, Pressure Loop	1
	11-014	▲ Label, Logo, Belt Guard (405037E, 455037E)	1	27	4-02100000	Hose, 1/4", Push-On, Fuel Line (405039E, 455039E, 455034E, 405037E, 455037E)	4.75 ft.
	10-0313	▲ Label, Logo, Belt Guard (455034E)	1	28	4-02110000	Hose, 1/2", Push-On	15 ft.
	11-3006	▲ Label, Logo, Belt Guard (404039, 405039E, 455039E)	1	29	4-0307	Wheel & Tire Cmpl, 6"	4
6	11-0316	Label, Instructions	1	30	4-12803500	Nozzle, SAQCMEG, 0003.5, Red (405039E, 405037E)	1
7	10-03008	Label, Nozzle Identification	1		4-12803515	Nozzle, SAQCMEG 1503.5, Yellow (405039E, 405037E)	1
8	2-0051	Nipple, 1/2" JIC, 3/8" Pipe	1		4-12803525	Nozzle, SAQCMEG, 2503.5, Green (405039E, 405037E)	1
9	2-0079	Swivel, 1/2" JIC Fem, 3/8" Male	1		4-12803540	Nozzle, SAQCMEG 4003.5, White (405039E, 405037E)	1
10	2-010061	Bushing, Rubber, Nitrile (405039E, 455039E, 455034E, 405037E, 455037E)	1		4-12804000	Nozzle, SAQCMEG 0004, Red (404029, 404027, 455039E, 455034E, 455037E)	1
11	2-0103	Grommet, Rubber, Nozzle Holder	5		4-12804015	Nozzle, SAQCMEG 1504, Yellow (404029, 404027, 455039E, 455034E, 455037E)	1
12	2-011507	Tank, Encore 5 Gal. Tank (405039E, 455039E, 455034E, 405037E, 455037E)	1		4-12804025	Nozzle, SAQCMEG 2504, Green 404029, 404027, 455039E, 455034E, 455037E)	1
13	2-01167	Cap, Fuel Tank, Plastic (405039E, 455039E, 455034E, 405037E, 455037E)	1		4-12804040	Nozzle, SAQCMEG 4004, White (404029, 404027, 455039E, 455034E, 455037E)	1
14	2-0117	Battery, Box (405039E, 455039E, 455034E, 405037E, 455037E)	1		4-16540	Nozzle COMPL, QCEM-6540, Brass 404029, 404027, 455039E, 455034E, 455037E)	1
15	2-011700	Plate, Battery Box, Small, Polypro (405039E, 455039E, 455034E, 405037E, 455037E)	1	31	Engine, See Specifications, Pages 22-23		
16	2-0051	Nipple 1/2" JIC x 3/8" Male (4040)	1	32	Pump, See Specifications, Pages 22-23		
	2-00510	Nipple, 1/2" JIC x 3/8" Fem (4050, 4550)	1	33	Unloader, See Specifications, Pages 22-23		
17	2-0155	Fastener, Ratchet, Black Nylon	2	34	Engine Pulley, See Specifications, Pages 22-23		
18	2-1062	Elbow, 1/2" JIC x 1/2", 90°	2	35	Pump Pulley, See Specifications, Pages 22-23		
	2-1060	Elbow, 1/2" JIC x 3/8", 90° (404027, 404029)	1	36	Pump Bushing, See Specifications, Pages 22-23		
19	2-10942	Swivel, 1/2"MP x 3/4" GHF w/Strainer	1	37	Engine Bushing, See Specifications, Pages 22-23		
20	2-1105	Swivel, 1/2" JIC Fem, Push-On	2	38	Belts, See Specifications, Pages 22-23		
21	2-1923	Strainer, 1/2" PA, Inline Plastic	1				

EXPLODED VIEW PARTS LIST- LARGE

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
39	6-05109	Cable, Battery, 32" Red, 4 Ga. (405039E, 455039E, 455034E, 405037E, 455037E)	1	61	90-100543	Screw, 5/16"-18 x 3/4" M PH TRH	4
40	6-051092	Cable, Battery, 36" Black, 4 Gauge (405039E, 455039E, 455034E, 405037E, 455037E)	1	62	90-4011	Washer, 5/16" Star, External	4
41	7-80320	Valve, Shut-Off, w/o Filter	1	63	90-400910	▲ Washer, 7/16" Lock-Split Ring	4
42	90-1007	Bolt, 5/16" x 1", NC HH (405039E, 455039E, 455034E, 405037E, 455037E)	4	64	2-01103	Grip, 1" Square Handle	2
43	90-1010	Bolt, 5/16" x 1-3/4", NC HH (404027, 404029)	4	65	2-10323	Tee, 1/2", Branch Male	1
44	90-1020	Bolt, 3/8" x 2", NC HH	4	66	95-0710482	Bracket, Brake Pad, Red (BD, BR, BC)	1
45	90-1020	Bolt, 3/8" x 2" GR 5 Zinc	2		95-07164828	Bracket, Brake Pad, Black (MP)	1
46	90-102746	Bolt, 1/2" x 5" NC HH Tap	1	67	95-07164829	Linkage, Brake, Black (MP)	1
47	90-18012	Screw, 1/4" x 5/8", Phil PH MS 4			95-07104829	Linkage, Brake, Red (BC, BD, MP)	1
	90-19925	Screw, M6 x 20mm, BH SOC Black	4	68	90-3096	Washer, 1/2" Flat	1
48	90-20041	Collar, 5/8" Bore Shaft	8	69	95-07162065	Handle, Break, CW Cage, Red	1
49	90-40181	Washer, Nylon Spacer, 0.656 x 1.25 x 0.65 THK	4		95-07162066	Handle, Break, CW Cage, Black	1
50	95-07101216/B	Block, Unloader, 3/8" x 3/8" Brass	1	70	90-100472	Bolt, Carriage, Zinc, 1/4"-20 x 1.0 PLT	4
51	95-07393125	Axle, 5/8" x 31.25"	2	71	2-9040	Clamp, Hose, .46-.54 ST (405039E, 455039E, 455034E, 405037E, 455037E)	2
52	95-07104028	Guard, Belt, Rear Steel	1	72	90-4000	Washer, 1/4" Flat, SAE	12
53	95-07162047	Assy, Weld, Battery Brkt, CW Cage, Red (405039E, 455039E, 405037E, 455037E)	1	73	90-40001	Washer, 1/4" FLAT, SAE, Black, Zinc	11
	95-07162047	Assy, Weld, Battery Brkt, CW Cage, Black (455034E)	1	74	90-4005	Washer, 5/8" Flat	8
	95-07162081	Holder, Nozzle (404027 404029)	1	75	2-3409	Dusk, Rupture Assy, 7000PSI (405039E, 455039E, 455034E, 405037E, 455037E)	1
54	95-07162054	Assy, Weld, Cage, CW Red (BD, BG, BR)	1	76	2-00271	Elbow, 3/8" x 1/2" Street, Steel (405039E, 455039E, 455034E, 405037E, 455037E)	1
	95-07162055	Assy. Weld, Cage, CW Black (MP)	1	77	2-0006	Nipple, 3/8" Hex Steel	1
55	95-07162046	Guard, Belt, Front, CW Cage, Large	1	78	2-0053	Elbow, 1/2" JIC, 3/8", 90°	1
56	95-07162071	Assy, Weld, Slider, CW Cage, Red (All Except 404027, 445034E)	1	79	77-VHRM4	Muffler, Honda, GX620/670 Right (All Models Except 404029, 404027)	1
	95-07162072	Assy, Weld, Slider, CW Cage, Black (455034E)	1		76-807964	▲ Muffler, Exhaust, Briggs 16HP (404029, 404027)	1
	95-07104039	Slider (404027)	1		95-07101149	▲ Guard, Muffler, Briggs 16HP (404029, 404027)	1
57	90-1995	Screw, 1/4" x 1/2" BH SOC CS 7			95-071011491	▲ Brace, Muffler Guard (404029, 404027)	2
	90-19980	Screw, 1/4" x 1", BH SOC CS	2	80	10-9999	Clear Lexan	1
58	90-2000	Nut, 1/4" ESNA, NC	4	81	10-08017	Label, Intended For Outdoor Use	1
59	90-4001	Washer, 5/16" FLAT, SAE (404027, 404029)	12			▲ Not Shown	
	90-4002	Washer, 3/8"	10				
60	90-2001	Nut, 5/16" ESNA, NC (404027, 404029)	4				
	90-2002	Nut, 3/8" ESNA	6				

EXPLODED VIEW - SMALL

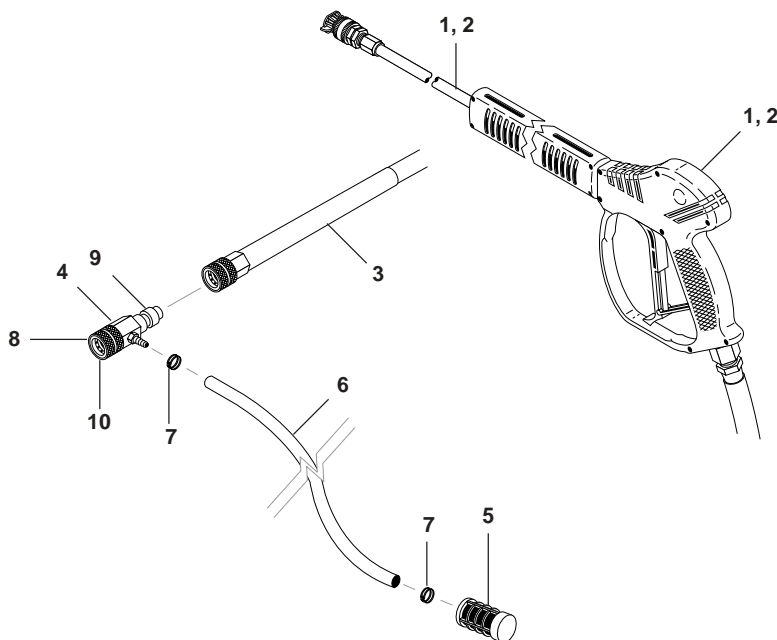


EXPLODED VIEW PARTS LIST- SMALL

ITEM	PART NO.	DESCRIPTION	QTY
1	10-02025A	Label, "Hot/Caliente" w/Arrows Warning	1
2	10-02029	Label, Danger Cool Engine	1
3	10-08017 10-08028	Label, Intended For Outdoor Use 1 ▲ Tag, Pump Plug/Dipstick	1
4	10-9999	Label, Clear Lexan, 2-1/4" x 4-1/2"	1
5	11-01011	Label, Warning, Pictoral, Small	1
6	11-0316	Label, Instructions, BC, BR	1
7	10-0623 11-3199 11-32289 11-3229	Label, Belt Guard, MP (442534, 353234, 373534) Label, Belt Guard, BC (353237, 373537) Label, Belt Guard, BD (442539, 353239, 373539) Label, Belt Guard, BR (442537, 353237, 373537)	1 1 1 1
8	10-03008	Label, Nozzle Identification	1
9	2-0051	Nipple, 1/2" JIC, 3/8" Pipe	2
10	2-0053	Elbow, 1/2" JIC, 3/8", 90°	1
11	2-0079	Swivel, 1/2" JIC Fem, 3/8" Male	1
12	2-0103	Grommet, Rubber, Nozzle Holder	5
13	2-01041	Pad, Soft Rubber, 50 Duro	2
14	2-01103	Grip, 1" Square, Handle	2
15	2-0117200	Belt Guard, CW	1
16	2-0155	Fastener, Ratchet, Black Nylon	2
17	2-10323	Elbow, 1/2" Street, Brass	1
18	2-1060	Elbow, 1/2" JIC x 3/8", 90°	1
19	2-1061	Elbow, 1/2" JIC x 1/4", 90°	1
20	2-10942	Swivel, 1/2" MP x 3/4" GHF w/Strainer	1
21	2-1105	Swivel, 1/2" JIC Fem, Push-On	2
22	2-1923	Strainer, 1/2" PA, Inline Plastic	1
23	2-2007	Nipple, 3/8" x 3/8" NPT ST Male	1
24	2-300816	Pump Protector, 3/8" PTP	1
25	4-02047720	Hose, 3/8" x 20", 2 Wire, Pressure Loop	1
26	4-02110000	Hose, 1/2", Push-On	1.25 ft.
27	4-0307	Wheel & Tire Assy, 6" Steel Rim w/Tube	2
28	4-12804000 4-12804015 4-12804025	Nozzle, SAQCMEG 0004, Red (353239, 373539, 353237, 373534, 353237, 373537) Nozzle, SAQCMEG 1504, Yellow (353239, 373539, 353237, 373534, 353237, 373537) Nozzle, SAQCMEG 2504, Green (353239, 373539, 353237, 373534, 353237, 373537)	1 1 1

ITEM	PART NO.	DESCRIPTION	QTY
28	4-12804040	Nozzle, SAQCMEG 4004, White (353239, 373539, 353237, 373534, 353237, 373537)	1
	4-12805500	Nozzle, SAQCMEG 0005.5, Red (442539, 442537)	1
	4-12805515	Nozzle, SAQCMEG 1505.5, Yellow (442539, 442537)	1
	4-12805525	Nozzle, SAQCMEG 2505.5, Green (442539, 442537)	1
	4-12805540	Nozzle, SAQCMEG 4005.5, White (442539, 442537)	1
29	Engine, See Specifications, Pages 22-23		
30	Pump, See Specifications, Pages 22-23		
31	Unloader, See Specifications, Pages 22-23		
32	Engine Pulley, See Specifications, Pages 22-23		
33	Pump Pulley, See Specifications, Pages 22-23		
34	Engine Bushing, See Specifications, Pages 22-23		
35	Pump Bushing, See Specifications, Pages 22-23		
36	Belt, See Specifications, Pages 22-23		
37	90-1020	Bolt, 3/8" x 2" NCHH	4
38	90-1017	Bolt, 3/8" x 1-1/4", NC HH	6
39	90-102751	Bolt, 1/2" x 3-1/2", NC HH	1
40	90-10343	Bolt, 10mm x 20mm, HH	4
41	90-19710	Screw, 1/4" x 3/4" HH NC, Whiz Loc	3
42	90-2002	Nut, 3/8" ESNA, NC	4
43	90-20041	Collar, 5/8" Bore Shaft 3010	4
44	90-3096	Washer, 1/2" Flat	1
45	90-4002	Washer, 3/8" Flat, SAE	8
46	90-4002	Washer, 3/8" SAE, Flat	2
47	90-40125	Washer, 3/8" x 1"	2
48	90-400910	Washer, 7/16", Lock Split Ring	4
49	90-40181	Washer, Nylon Spacer, 0.656" x 1.25" x 0.65" Thick	2
50	95-07101216/B	Block, Unloader, 3/8" x 3/8" Brass	1
51	95-07104001 95-07104033	Slider, Pump/Belt Guard Mount, Red (BC, BD, BR) Slider, Pump/Belt Guard Mount, Black (MP)	1 1
52	95-07104723	Axle, 5/8" x 27.80 L	1
53	95-07162004 95-07162005	Assy, Weld, CW Cage, Small Red (BC, BD, BR) Assy, Weld, CW Cage, Small Black (MP)	1 1
54	90-2002	Nut, 3/8" ESNA, NC	2
55	90-4002	Washer, 3/8"	2
56	90-4001	Washer, 5/16"	4

HOSE & SPRAY GUN ASSEMBLY



HOSE & SPRAY GUN ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	4-0110331	Wand, Side Grip w/Couplers 47.5" (442539, 353239, 373539, 404039, 343089E)	1	3	4-020750C	Hose, 3/8" x 50 ft., 2 Wire, Pressure Flex, w/Coupler (BC-353237, BC-373537)	1
	4-012192	Spray Gun w/Wand (5000 PSI), w/Coupler (405039E, 455039E, 455034E, 405037E, 455037E)	1		4-02093450BC	Hose, 3/8" x 50 ft., 1 Wire Blue, w/Coupler (BR-442537, BR-353237, BR-343087E)	1
	4-011143A	Wand, SS V.P. Wand, (AL 344) w/Coupler, w/Soap Nozzle (353234, 373534)	1		4-02073450RC	Hose, 3/8" x 50 ft., 2 Wire Blue, w/Coupler (BR-373537, BR-404027)	1
	4-0111341A	Wand, V.P. w/Coupler & Nozzle, X-Series (353237, 373537, 4044027, 343087E)	1	4	3-12021	Injector, Detergent, Non-Adj, 3-5 GPM, 0.083	1
2	4-012402	Spray Gun Assy, w/Nipple (442539, 353239, 373539, 404039, 343089E)	1		3-1208	Injector, SS, Non-Adj, 2.0-4.0GPM, 5500PSI	1
	4-01246	Spray Gun, Shut-Off, AP 1000 (353234, 373534, 442537, 353237, 373537, 404027, 343087E)	1	5	2-1904	Strainer, Plastic, 1/4" Hose Barb	1
3	4-02033450C	Hose, 3/8" x 50 ft., 1 Wire, TUFF-Skin, w/Coupler (442539)	1	6	4-02080000	Tube, 1/4" x 1/2", Clear Vinyl	6 ft.
	4-02083450C	Hose, 3/8" x 50 ft., 1 Wire, 4000PSI, TUFF-Flex, w/Coupler(353239, 373539, 404029, 353234, 373534)	1	7	2-9040	Clamp, Hose, .46-.54 ST	2
	4-02043450F	Hose, 3/8" x 50 ft., 2 Wire, TUFF-Skin, w/5800 PSI Coupler (405039E, 455039E, 455034E, 405037E, 455037E)	1	8	2-20021	Coupler, 3/8" Female, 11,000 PSI, Snap-Tite	1
	4-020650C	Hose, 3/8" x 50", 1 Wire, Pressure Flex, w/Coupler (34389E, BC-343087E)	1	9	2-20022	Nipple, 3/8" Fem, 11,000 PSI	1
				10	4-011184	Detergent Injector Assy, 3-5 GPM, 0.83" (442539, 353239, 373539, 404039, 343089E, 353234, 373534, 353237, 373537, 343037E, 404027)	1
					4-011186	Downstream Injector Assy, 5000 PSI (405039E, 455039E, 455034E, 405037E, 455037E)	1

SPECIFICATIONS

Machine Model	Engine Pulley	Pulley Desc.	Engine Bushing #	Bushing Desc.	Pump Pulley	Pump Desc.	Pump Bushing #	Bushing Desc.
442539	5-40503201	2BK32H	5-511100	Hx1"	5-40508001	2BK80H	5-512024	24mm
353239	5-40503201	2BK32H	5-511100	Hx1"	5-40509001	2BK90H	5-512024	24mm
373539	5-40503201	2BK32H	5-511100	Hx1"	5-40509001	2BK90H	5-512024	24mm
404029	5-40503601	2BK36H	5-511100	Hx1"	5-40509001	2BK90H	5-512025	25mm
405039E	5-407034	3TB34	5-531112	P2x1"	5-41009001	3BK90H	5-512025	25mm
455039E	5-407034	3TB34	5-531113	P2x1-1/8"	5-41008001	3BK80H	5-512025	25mm
343089E	5-40504001	2BK40H	5-511100	Hx1"	5-40508001	2BK80H	5-512022	22mm
353234	5-40503201	2BK32H	5-511100	Hx1"	5-40509001	2BK90H	5-512025	25mm
373534	5-40503201	2BK32H	5-511100	Hx1"	5-40509001	2BK90H	5-512025	25mm
455034E	5-407034	3TB34	5-531113	P2x1-1/8"	5-41008001	3BK80H	5-512025	25mm
353237	5-40503201	2BK32H	5-511100	Hx1"	5-40509001	2BK90H	5-512024	24mm
373537	5-40503201	2BK32H	5-511100	Hx1"	5-40509001	2BK90H	5-512024	24mm
405037E	5-407034	3TB34	5-531112	P2x1"	5-41009001	3BK90H	5-512025	25mm
455037E	5-407034	3TB34	5-531113	P2x1-1/8"	5-41008001	3BK80H	5-512025	25mm
442537	5-40503201	2BK32K	5-511100	Hx1"	5-40508001	2BK80H	5-512024	24mm
404027	5-40503601	2BK36H	5-511100	Hx1"	5-40508001	2BK80H	5-512026	30mm
343087E	5-40503201	2BK32H	5-511100	Hx1"	5-40509001	2BK90H	5-512024	24mm

SPECIFICATIONS

Machine Model	Belt (QTY)	Pump Part No.	Unloader Part No.	Engine Part No.
442539	5-604037 (2)	5-1807	5-32080	5-0105
353239	5-604039 (2)	5-1220	5-32080	5-0105
373539	5-604039 (2)	5-1220	5-32080	5-010721
404029	5-604041 (2)	5-1808	5-32080	5-0306
405039E	5-604042 (3)	5-1238	5-3014	5-01093
455039E	5-604042 (3)	5-1238	5-3014	5-01094
343089E	5-604042 (2)	5-1803	5-32080	5-0413
353234	5-604039 (2)	5-1724	5-32080	5-0105
373534	5-604039 (2)	5-1724	5-32080	5-010721
455034E	5-604042 (3)	5-1738	5-3014	5-01094
353237	5-604039 (2)	5-1920	5-32080	5-0105
373537	5-604039 (2)	5-1920	5-32080	5-010721
405037E	5-604042 (3)	5-1920	5-32080	5-01093
455037E	5-604042 (3)	5-1938	5-32080	5-01094
442537	5-604037 (2)	5-1915	5-32080	5-0105
404027	5-604042 (2)	5-1665	5-32080	5-0306
343087E	5-604042 (2)	5-1920	5-32080	5-0413



BR PRESSURE WASHER WARRANTY

SHARK LIMITED NEW PRODUCT WARRANTY PRESSURE WASHERS

WHAT THIS WARRANTY COVERS

All SHARK PRESSURE WASHERS are warranted by SHARK to the original purchaser to be free from defects in materials and workmanship under normal use, for the periods specified below. This Limited Warranty is subject to the exclusions shown below, is calculated from the date of the original purchase, and applies to the original components only. Any parts replaced under this warranty will assume the remainder of the part's warranty period. This warranty applies to the original purchaser and is not transferable.

LIMITED LIFETIME PARTS WARRANTY:

Components manufactured by SHARK, such as frames, handles, coil wraps, float tanks, and belt guards. Forged brass pump manifold. All heating coils will have a one year warranty. Internal components on the oil-end of all pressure washer pumps will have a seven year warranty.

ONE YEAR PARTS WARRANTY:

All other components, excluding normal wear items as described below, will be warranted for one year on parts. Warranty on these parts will be for one year regardless of the duration of the original component manufacturer's part warranty.

WARRANTY PROVIDED BY OTHER MANUFACTURERS:

Motors, generators, and engines, which are warranted by their respective manufacturers, are serviced through these manufacturers' local authorized service centers. SHARK cannot provide warranty on these items.

WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover the following items:

1. Normal wear items, such as nozzles, guns, discharge hoses, wands, quick couplers, seals, filters, gaskets, O-rings, packings, pistons, pump valve assemblies, strainers, belts, brushes, rupture disks, fuses, pump protectors.
2. Damage or malfunctions resulting from accidents, abuse, modifications, alterations, incorrect installation, improper servicing, failure to follow manufacturer's maintenance instructions, or use of the equipment beyond its stated usage specifications as contained in the operator's manual.
3. Damage due to freezing, chemical deterioration, scale buildup, rust, corrosion, or thermal expansion.
4. Damage to components from fluctuations in electrical or water supply.
5. Normal maintenance service, including adjustments, fuel system cleaning, and clearing of obstructions.
6. Transportation to service center, shop labor charges, field labor charges, or freight damage.

WHAT YOU MUST DO TO OBTAIN WARRANTY SERVICE

While not required for warranty service, we request that you register your SHARK pressure washer by returning the completed registration card. In order to obtain warranty service on items, you must return the product to an Authorized SHARK Dealer, freight prepaid, with proof of purchase, within the applicable warranty period. If the product is permanently installed, you must notify your Authorized SHARK Dealer of the defect. The Authorized Dealer will file a claim, which must subsequently verify the defect. In most cases, the part must be returned to SHARK freight prepaid with the claim. For warranty service on components warranted by other manufacturers, the Authorized Dealer can help you obtain warranty service through these manufacturers' local authorized service centers.

LIMITATION OF LIABILITY

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SHARK PRESSURE WASHERS

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Form #97-723 • Revised 4/04 • Printed in U.S.A.